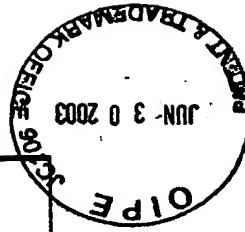


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Observed (M+H) ⁺	Formula	C ₃₂ H ₃₆ N ₄ O ₂	C ₃₃ H ₃₈ N ₆ O	C ₄₁ H ₄₆ N ₆ O ₃ S
Structures				
AMD#		7129	7130	7131

Figure 1 A



	639.6 (+NH ₄) <chem>C36H37C1N6O2</chem>	479.4 <chem>C31H34N4O</chem>	488.1 <chem>C32H33N5</chem>	474.3 <chem>C31H31N5</chem>
7136				
7138			7140	7141

Figure 1 B

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T R A D E M A R K
O F F I C E

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AMD#	Structures	Formula	Observed (M+H) ⁺
7142		$C_{32}H_{35}N_5O$	506.7
7145		$C_{37}H_{39}N_4O$	555
7147		$C_{24}H_{29}N_5O$	404.6
7151		$C_{38}H_{40}N_4O$	569.4

Figure 1 C

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The table contains three rows of chemical structures, each row corresponding to a different compound:

- Row 1:** Compound 7155 (C₂₉H₃₂N₄S) with a molecular weight of 469.2. It features a complex fused heterocyclic system with a thienothiophene group.
- Row 2:** Compound 7156 (C₃₁H₃₅N₅) with a molecular weight of 478.4. It consists of a piperazine ring linked to a pyridine ring via nitrogen atoms.
- Row 3:** Compound 7159 (C₂₇H₃₂N₆) with a molecular weight of 441.2. It features a pyrazole ring fused to a pyridine ring, which is further linked to a piperazine ring.

Figure 1 D

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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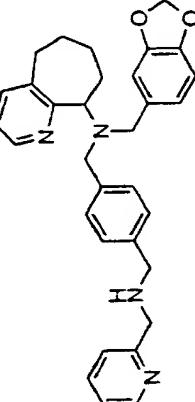
		423.5	
	$C_{28}H_{30}N_4$		507.3
			$C_{32}H_{34}N_4O_2$
7160			7164

Figure 1 E

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Observed (M+H) ⁺	Formula		
AMD#	Structures		
550.2	<chem>C34H39N5O2</chem>	493.5	<chem>C30H33N5</chem>
7166		7167	
7168			

Figure 1 F



		494.6	
	<chem>C31H35N5O</chem>		
7169		<chem>C35H38N6O</chem>	559.5
7171		<chem>C34H40N4O</chem>	521.4
7172			

Figure 1 G

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

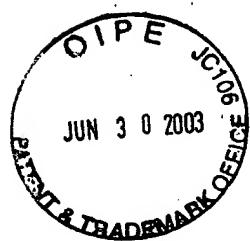
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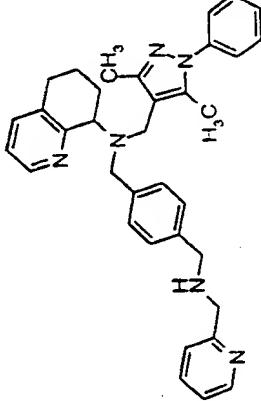
		543.3	
	<chem>C35H38N6</chem>		399.4
			<chem>C24H26N6</chem>
7175			7177

Figure 1 H

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

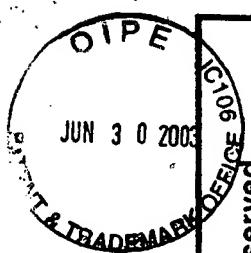
Inventors: Gary J. BRIDGER, et al.

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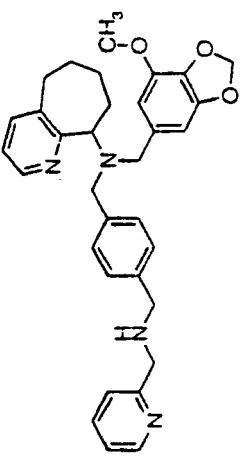
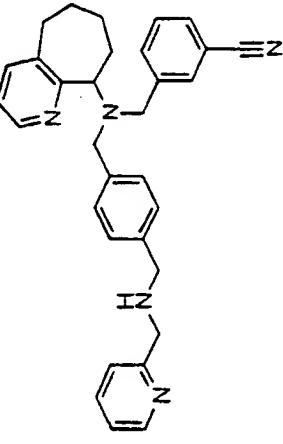
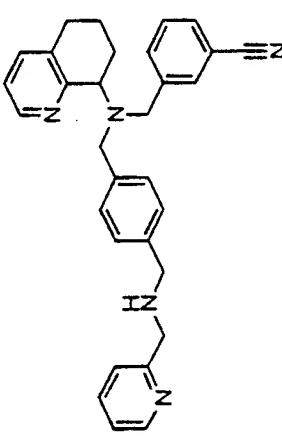
Observed $(M+H)^+$	Formula	537.3	488.4	474.3
Structures		$C_{33}H_{36}N_4O_3$	$C_{32}H_{33}N_5$	$C_{31}H_{31}N_5$
AMD#				
7180			7182	7184

Figure 1J



Figure 1 J

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Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS
 Inventors: Gary J. BRIDGER, et al.
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AMD#	Structures	Formula	Observed (M+H) ⁺
7189		C ₃₂ H ₃₄ F ₂ N ₄ O	529.2
7195		C ₃₁ H ₃₂ F ₂ N ₄ O	515.4
7196		C ₃₃ H ₃₆ N ₄ O ₂	521.4

Figure 1 K

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

Docket No.: 391442003700

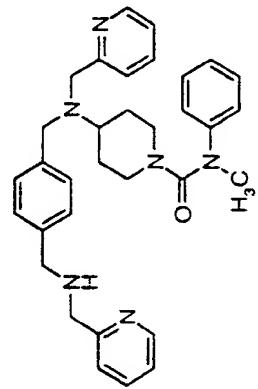
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535.6

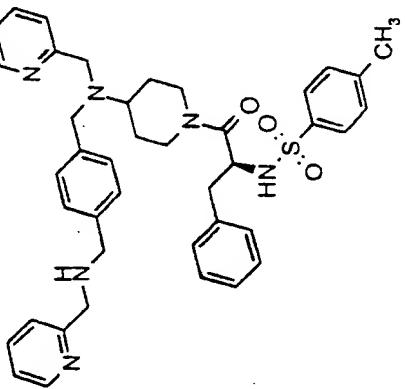
C₃₃H₃₈N₆O



7197

703.2

C₄₁H₄₆N₆O₃S



7198

Figure 1 L

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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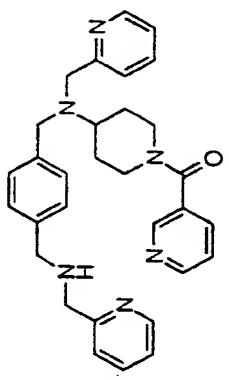
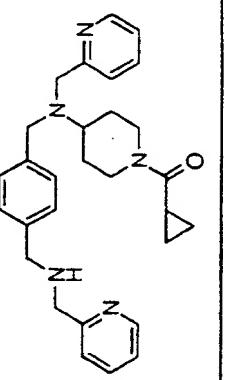
		507.4	
	$C_{31}H_{34}N_6O$		$C_{29}H_{35}N_5O$
	7199		7200

Figure 1 M

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

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Observed (M+H) ⁺	546.2	507.6	621.4
Formula	C ₃₅ H ₃₉ N ₅ O	C ₃₂ H ₃₄ N ₄ O ₂	C ₃₈ H ₃₇ CIN ₆ O ₂
Structures			
AMD#	7201	7202	7203

Figure 1 N

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

- Inventors: Gary J. BRIDGER, et al.

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	553.2 $C_{32}H_{36}N_6OS$ 	485.4 $C_{30}H_{30}F_2N_4$ 	
7204 		7207 	
			7208

Figure 1 O

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Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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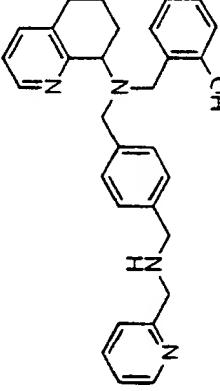
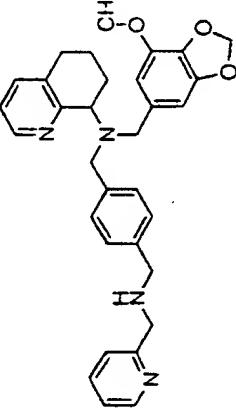
	465.5 $C_{30}H_{32}N_4O$  A complex organic molecule consisting of a tricyclic core with a pyridine ring attached. It features a long chain connecting the core to a phenyl group, which is further substituted with a piperazine ring and a hydroxyl group (OH). A pyridine ring is also part of the structure. 7209	523.4 $C_{32}H_{34}N_4O_3$  A complex organic molecule with a tricyclic core. It includes a pyridine ring, a piperazine ring, and a phenyl group. The phenyl group is substituted with a methoxy group (CH3-O) and a carbonyl group (C=O). 7212
--	---	--

Figure 1 P

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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AMD#	Structures	Formula	Observed (M+H) ⁺	
7216		C ₂₉ H ₃₁ N ₅	450.2	
7217		C ₃₀ H ₃₉ N ₅ O	486.4	
7220		C ₂₉ H ₃₉ N ₅	458.3	

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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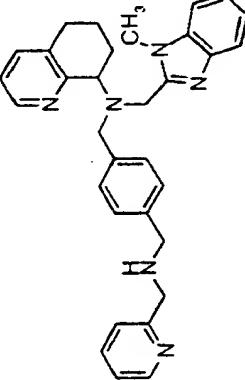
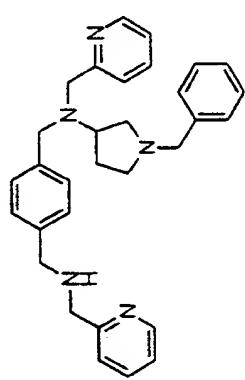
	$C_{32}H_{34}N_6$ 503.3	$C_{31}H_{35}N_5$ 478.4	$C_{33}H_{39}N_5O$ 522.5
	7222		7223
			7228

Figure 1 R



Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

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444.2

C₂₈H₃₇N₅

7229

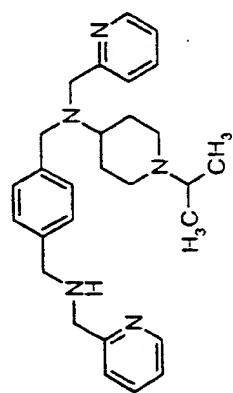


Figure 1 S

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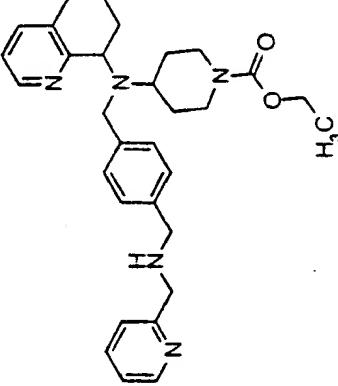
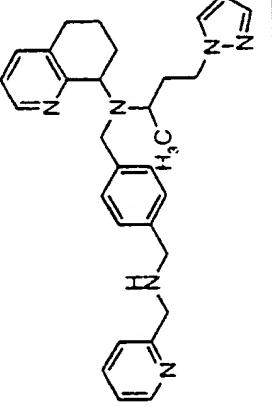
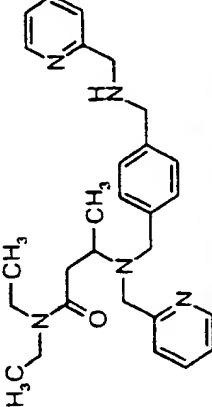
Observed (M+H) ⁺	Formula	514.4	481.4	460.4
Structures				
AMD#	7230	7231	7235	

Figure 1 T





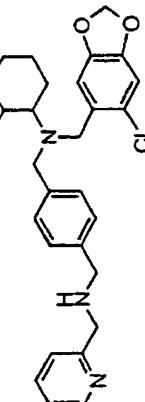
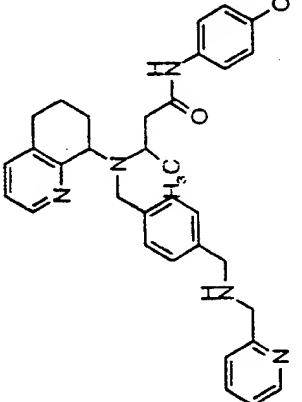
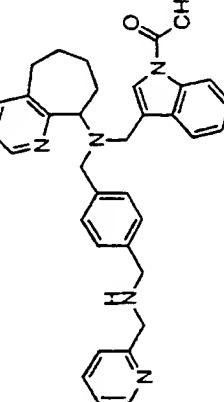
7236		$C_{32}H_{36}N_4O_2S$	541.4	
7238		$C_{31}H_{31}ClN_4O_2$	527.3	
7239		$C_{33}H_{36}ClN_5O$	554.4	
7241		$C_{35}H_{37}N_5O$	544.4	

Figure 1 U

U.S. PATENT & TRADEMARK OFFICE 901 C

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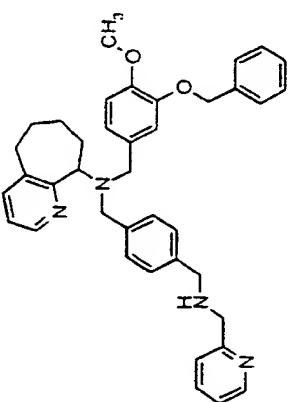
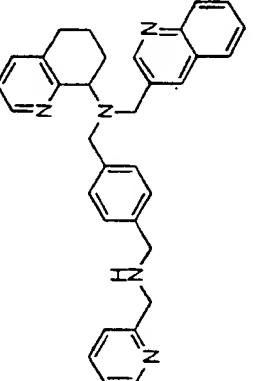
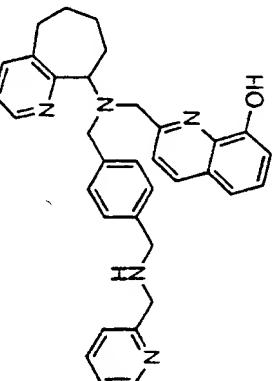
AMD#	Structures	Formula	Observed (M+H) ⁺
7242		C ₃₉ H ₄₂ N ₄ O ₂	599.7
7244		C ₃₃ H ₃₃ N ₅	500.3
7245		C ₃₄ H ₃₅ N ₅ O	530.3

Figure 1 V

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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	$C_{34}H_{35}N_5$ 514.4	$C_{35}H_{37}N_5O$ 520.7	$C_{24}H_{26}N_6$ 399.5
7247			
7247		7249	7250

Figure 1 W

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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		514.4	
	$C_{34}H_{35}N_5$		470.3
			$C_{28}H_{31}N_5S$
7251			7252

Figure 1 X

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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AMID#	Structures	Formula	Observed (M+H) ⁺	
7253		$C_{30}H_{33}N_5$	464.6	
7254		$C_{36}H_{35}N_5O$	554.4	
7256		$C_{30}H_{35}N_5$	466.4	



Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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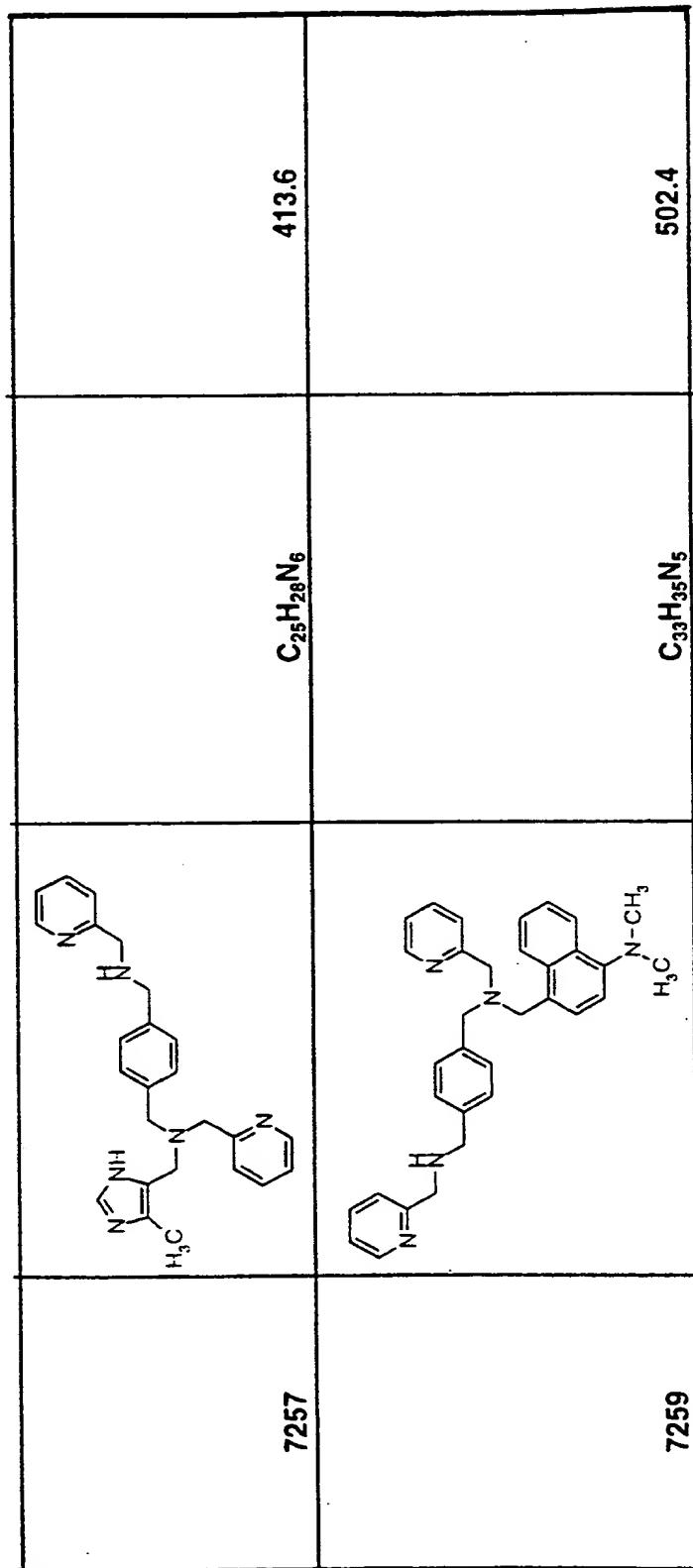


Figure 1 Z

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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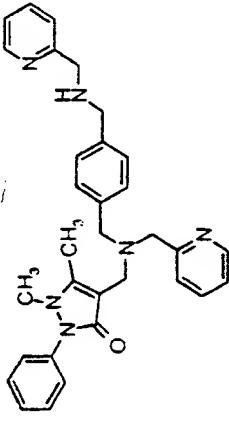
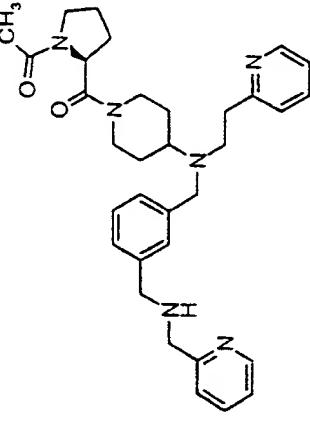
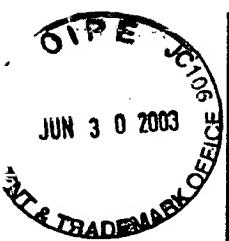
		519.5		
	$C_{32}H_{34}N_6O$			$C_{33}H_{42}N_6O_2$
				
	7260			7261

Figure 1 AA

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Observed (M+H) ⁺	577.5	502.4	644.4
Formula	$C_{35}H_{40}N_6O_2$	$C_{33}H_{35}N_5$	$C_{39}H_{45}N_7O_2$
Structures			
AMD#	7262	7270	7272

Figure 1 BB

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

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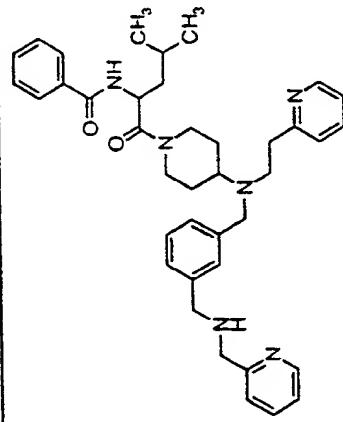
		633.2	
	$C_{39}H_{48}N_6O_2$		506.6
			$C_{33}H_{39}N_5$
7273			7274

Figure 1 CC

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUND
Inventors: Gary J. BRIDGER, et al.
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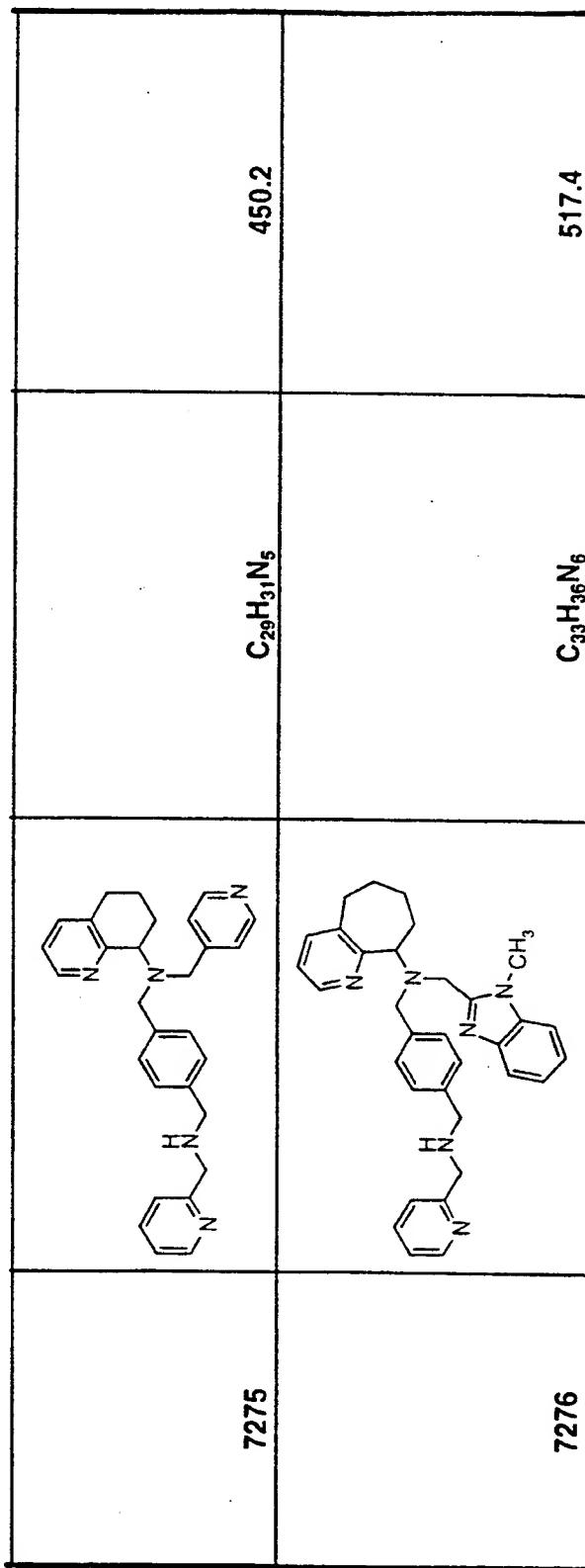
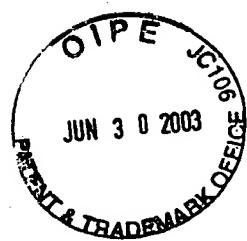


Figure 1 DD

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

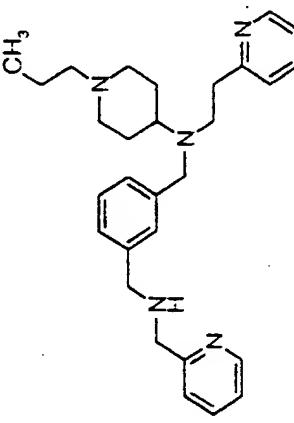
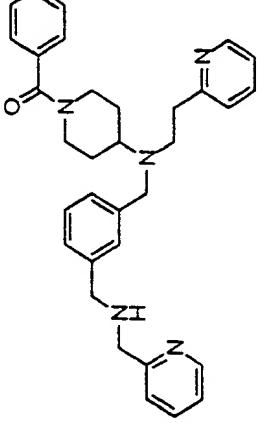
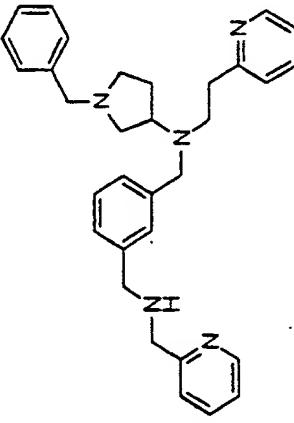
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Observed (M+H) ⁺	458.4 $C_{29}H_{39}N_5$	520.4 $C_{33}H_{37}N_5O$	492.5 $C_{32}H_{37}N_5$
Formula			
Structures	 7277	 7278	 7290
AMD#			

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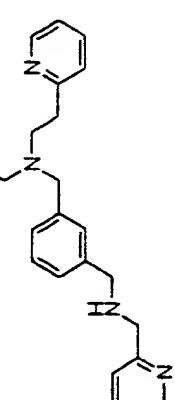
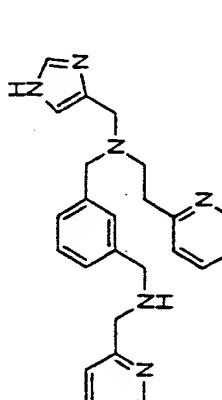
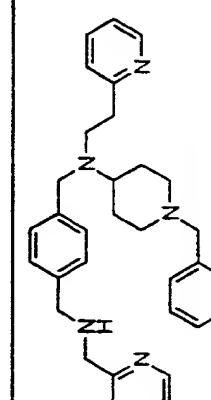
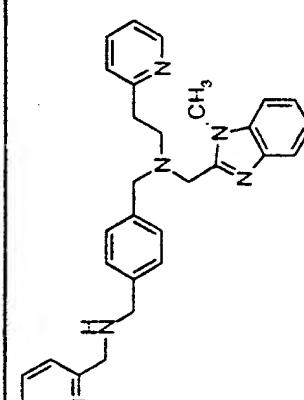
7309		$C_{31}H_{33}N_5$	476.6	
7311		$C_{25}H_{28}N_6$	413.2	
7359		$C_{33}H_{39}N_5$	506.6	
7374		$C_{39}H_{32}N_6$	477.2	

Figure 1 FF

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS
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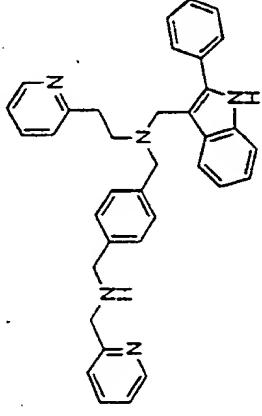
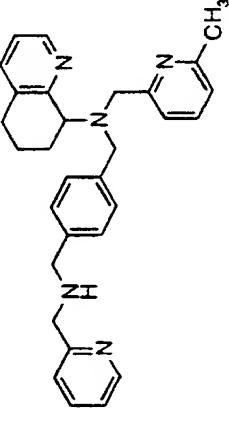
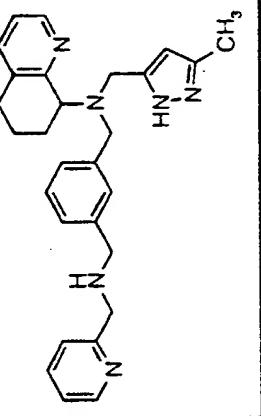
AMD#	Structures	Formula	Observed (M+H) ⁺
7379		C ₃₆ H ₃₅ N ₅	538.4
9025		C ₃₀ H ₃₃ N ₅	464.4
9031		C ₂₈ H ₃₂ N ₆	453

Figure 1 GG

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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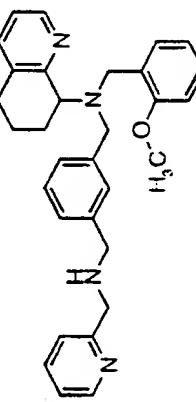
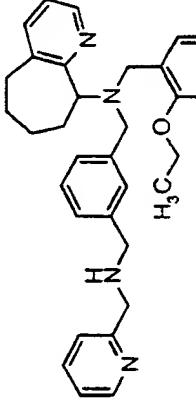
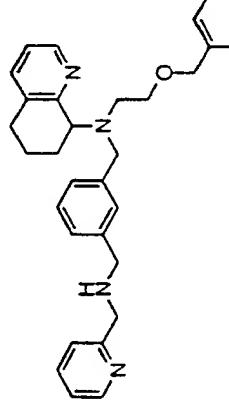
	479.4 $C_{31}H_{34}N_4O$ 	507.6 $C_{33}H_{38}N_4O$ 	493.2 $C_{32}H_{36}N_4O$ 
9032		9039	9045

Figure 1 HH

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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		543.3 $C_{36}H_{38}N_4O$		464.4 $C_{30}H_{33}N_5$
		9052		9053

Figure 1 II

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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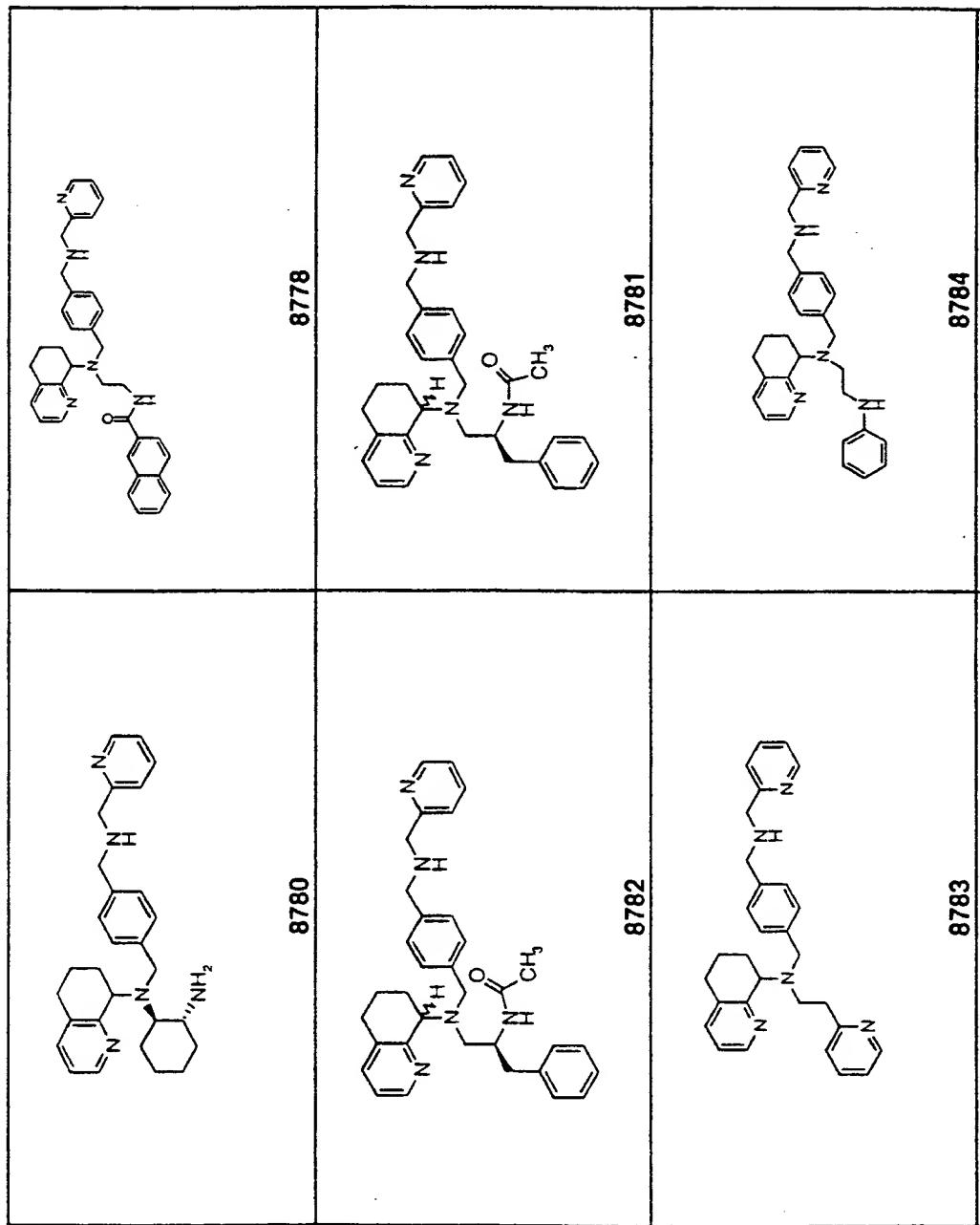


Figure 1 JJ

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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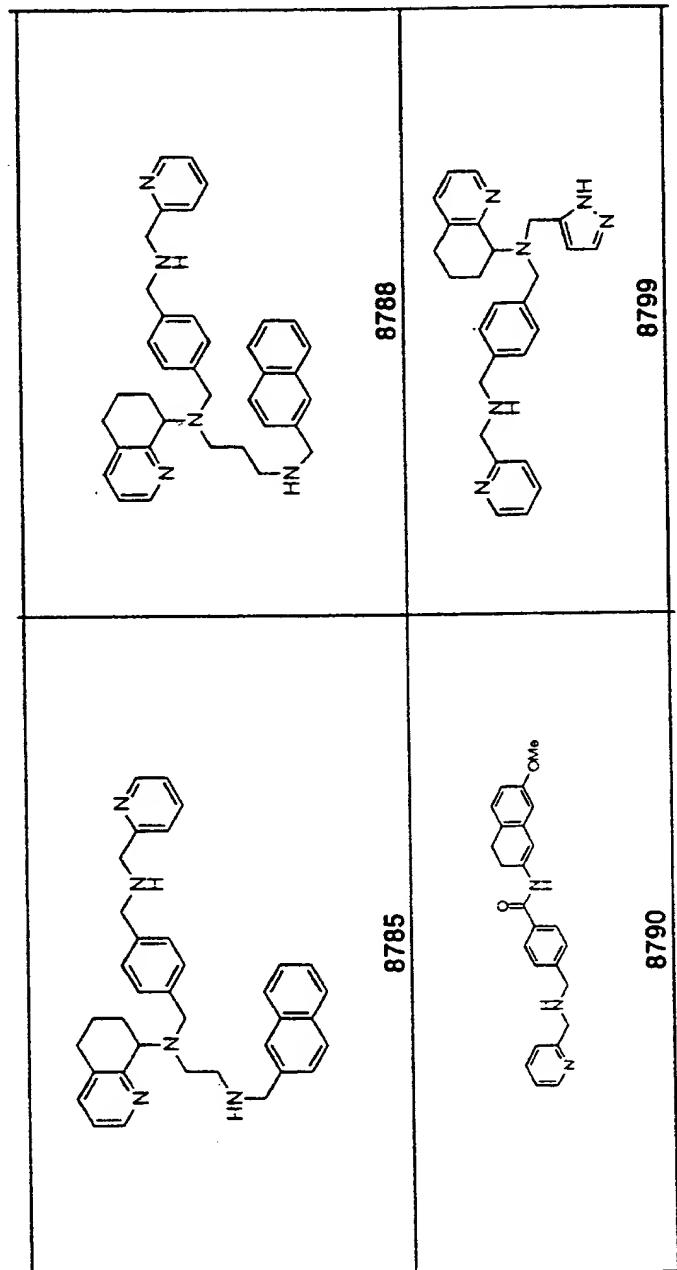


Figure 1 KK

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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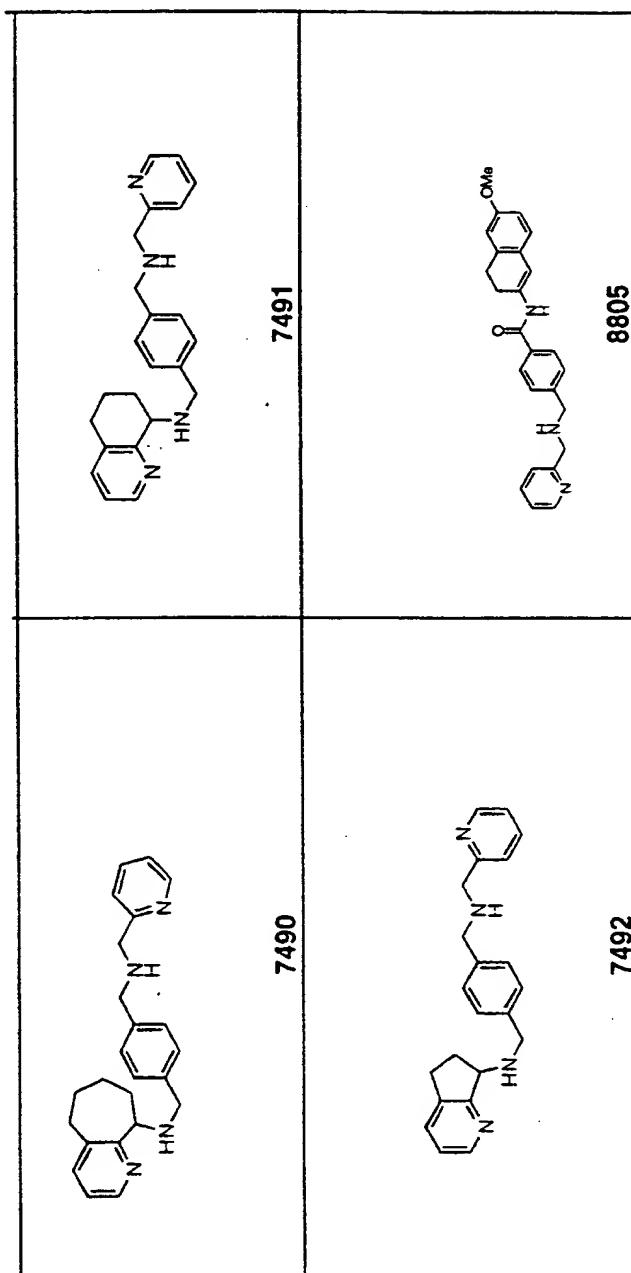


Figure 1 LL

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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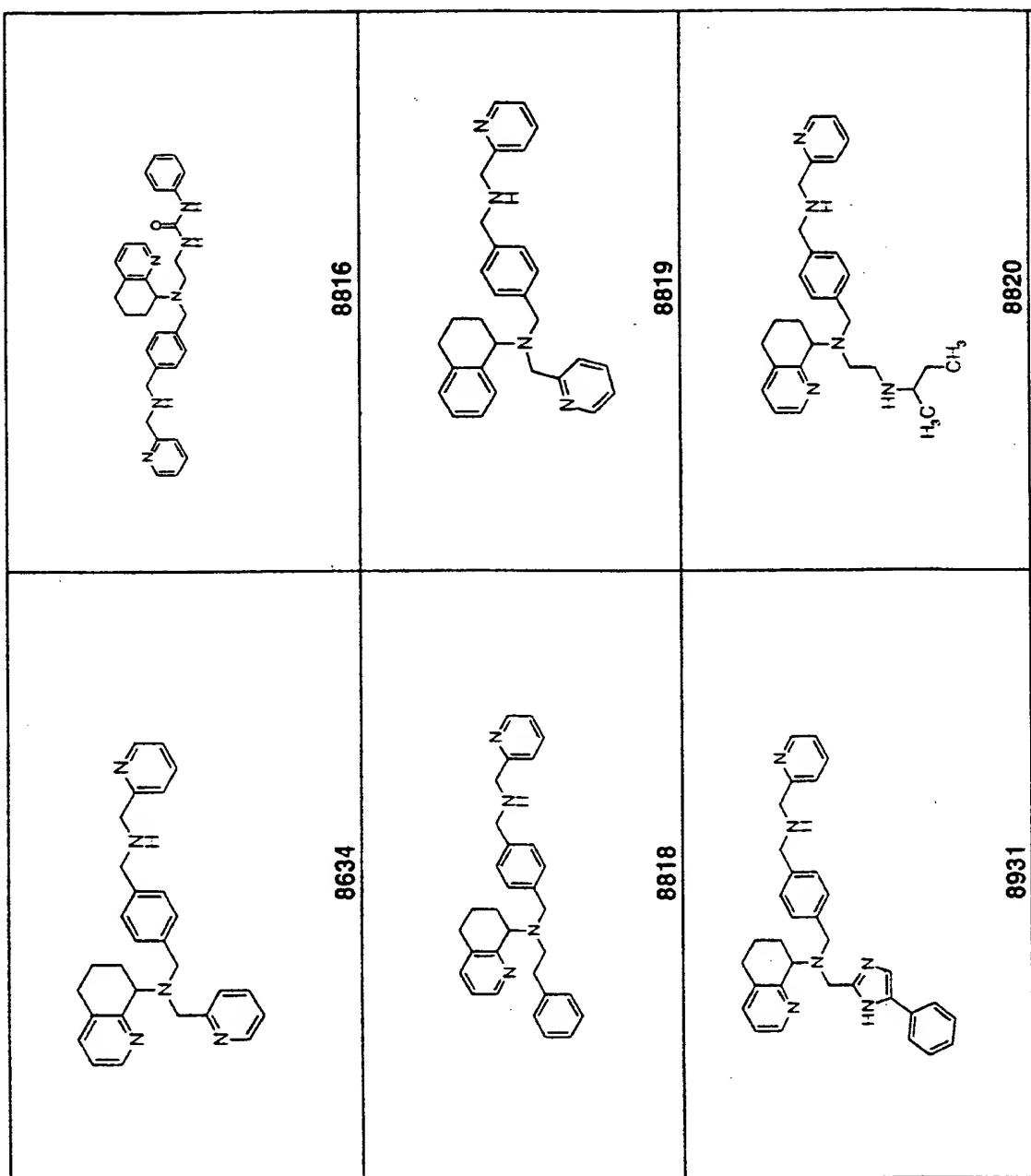


Figure 1 MM

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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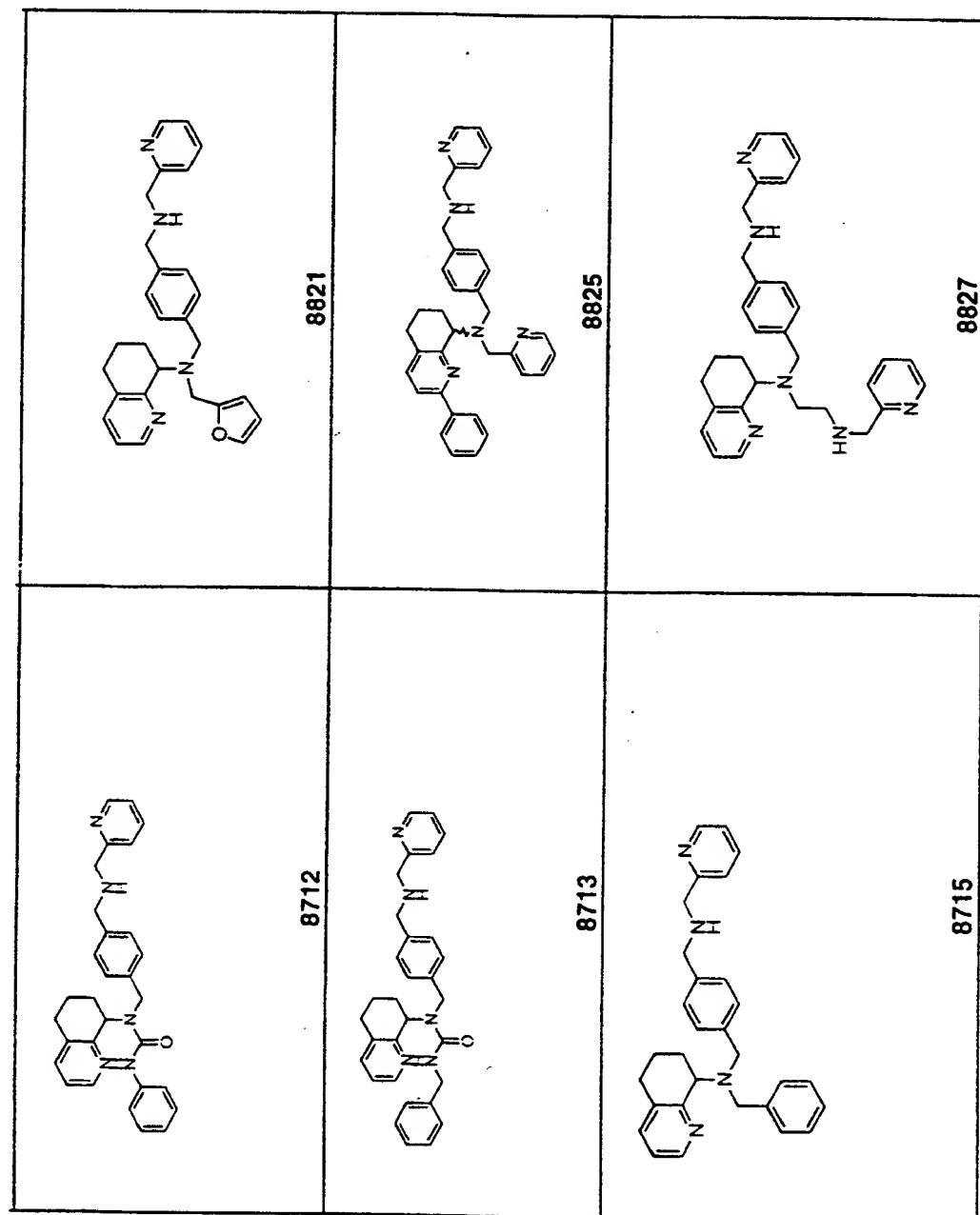


Figure 1 NN

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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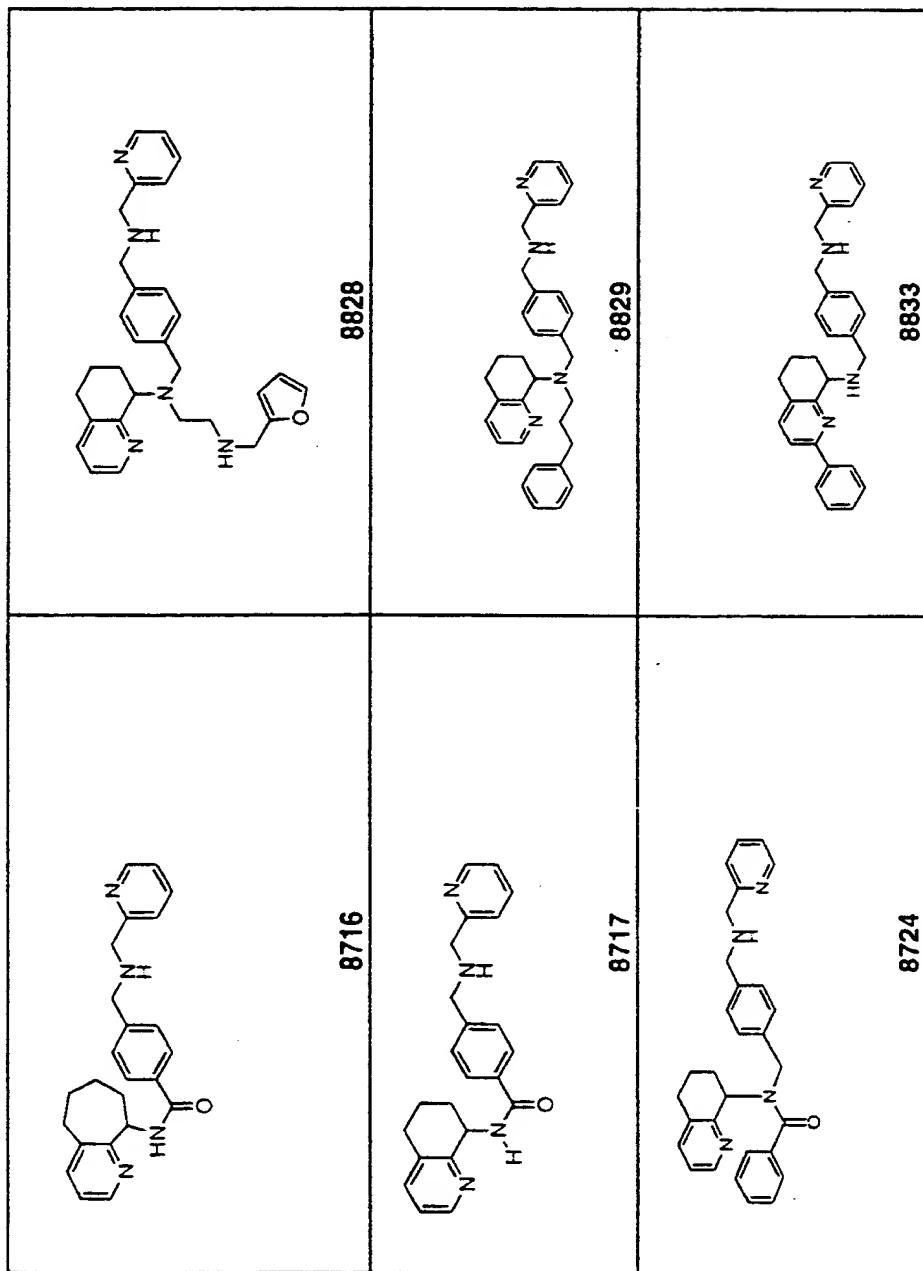


Figure 1 OO

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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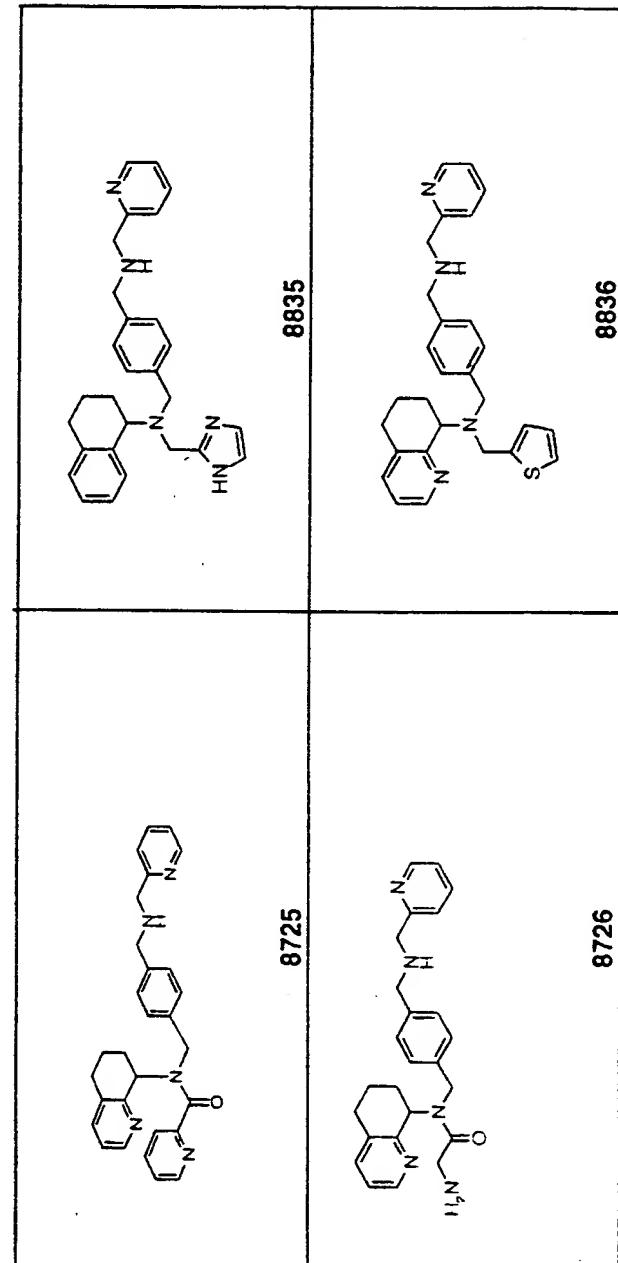


Figure 1 PP

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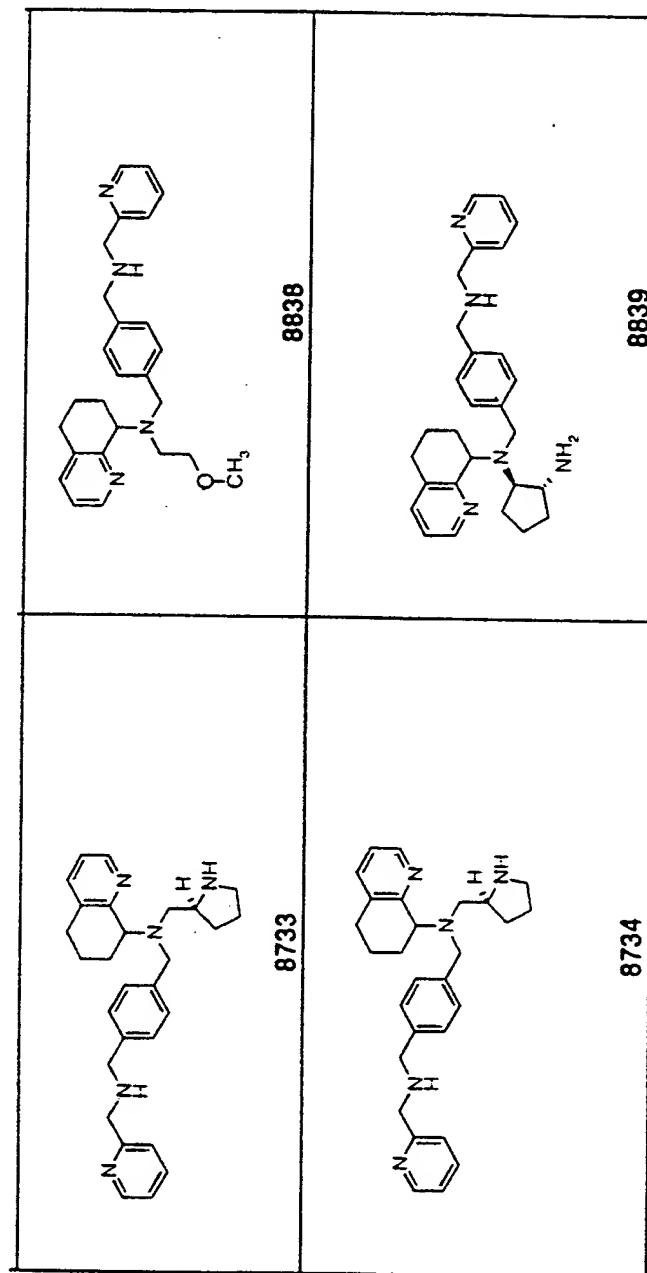


Figure 1 QQ

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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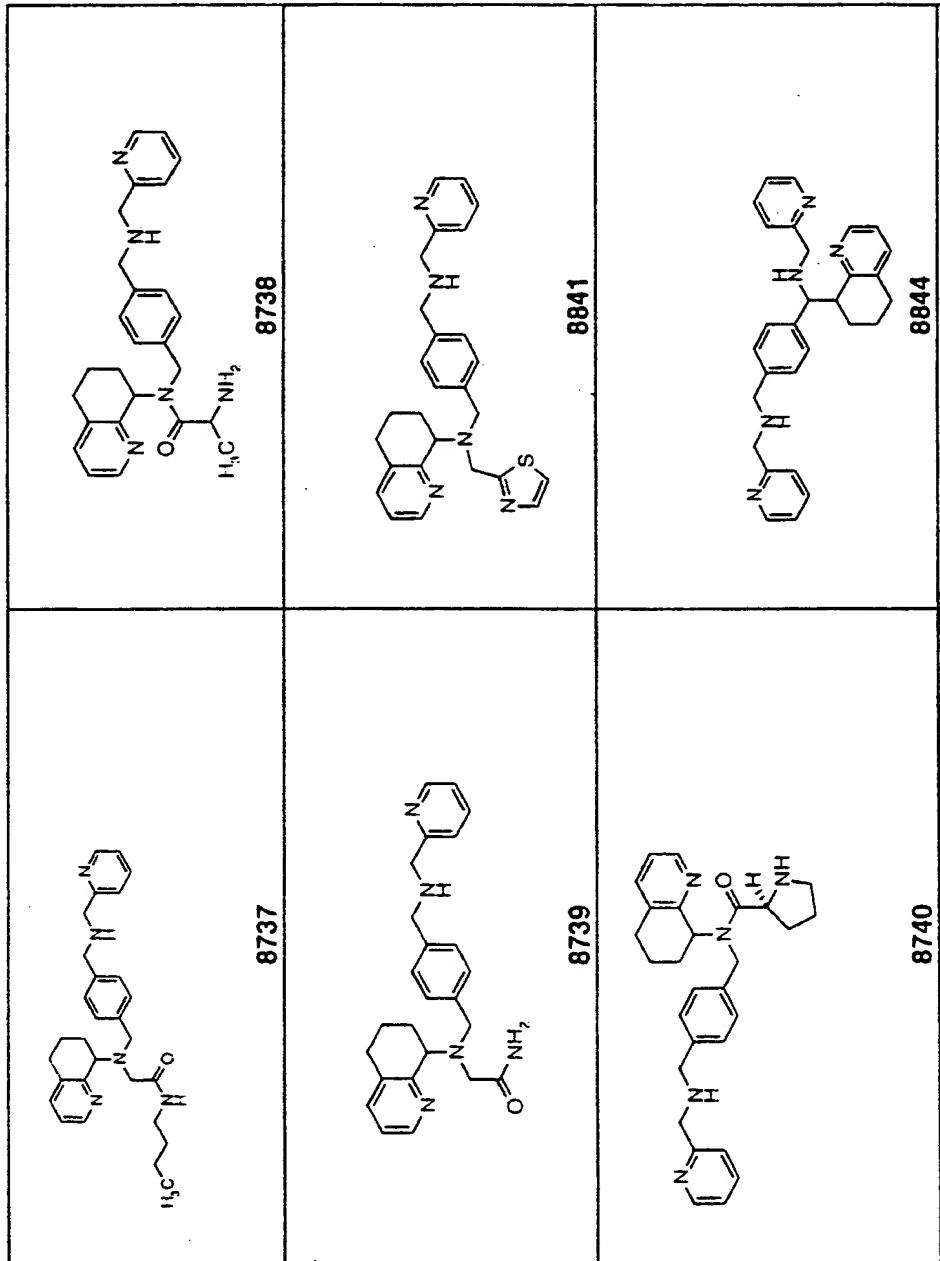


Figure 1 RR

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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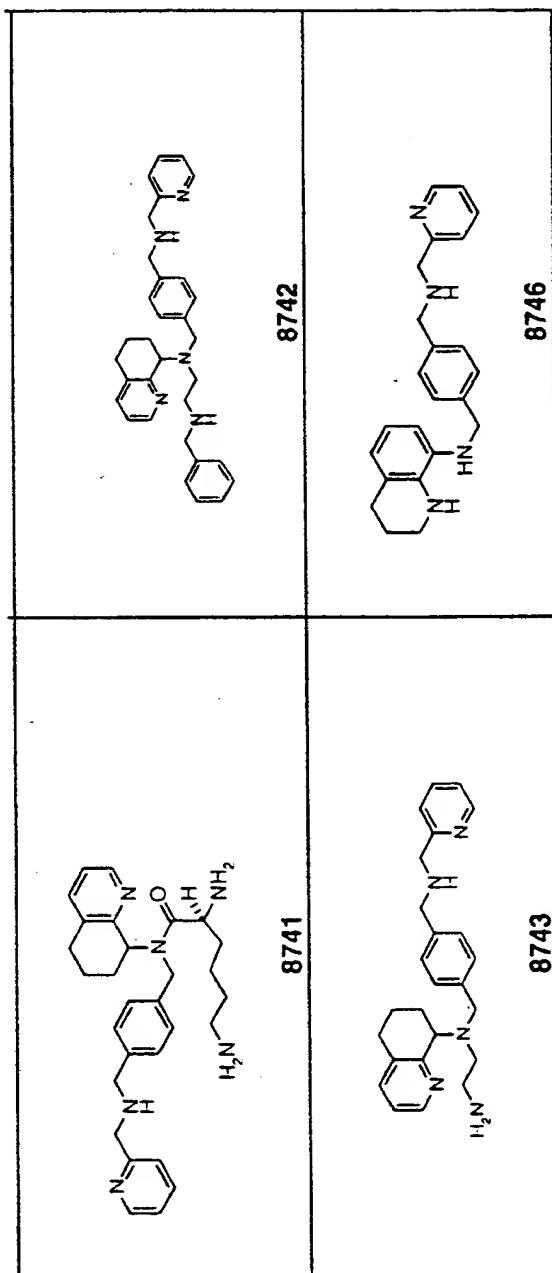


Figure 1 SS

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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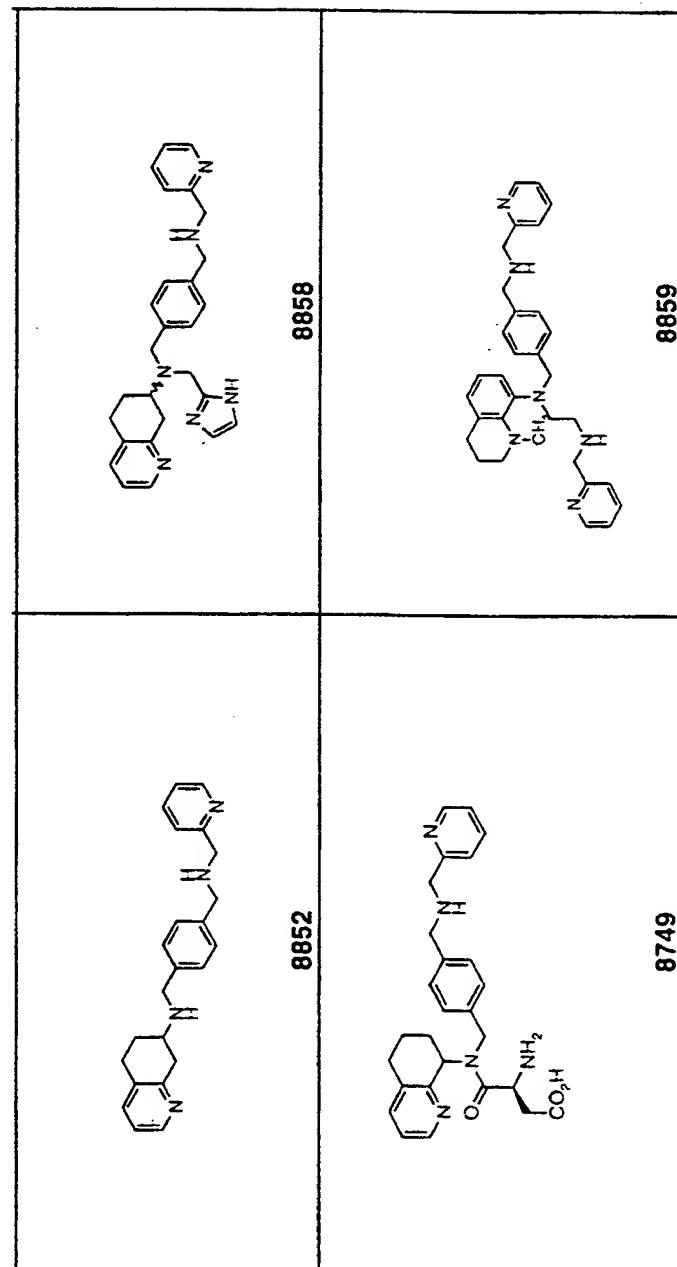


Figure 1 TT

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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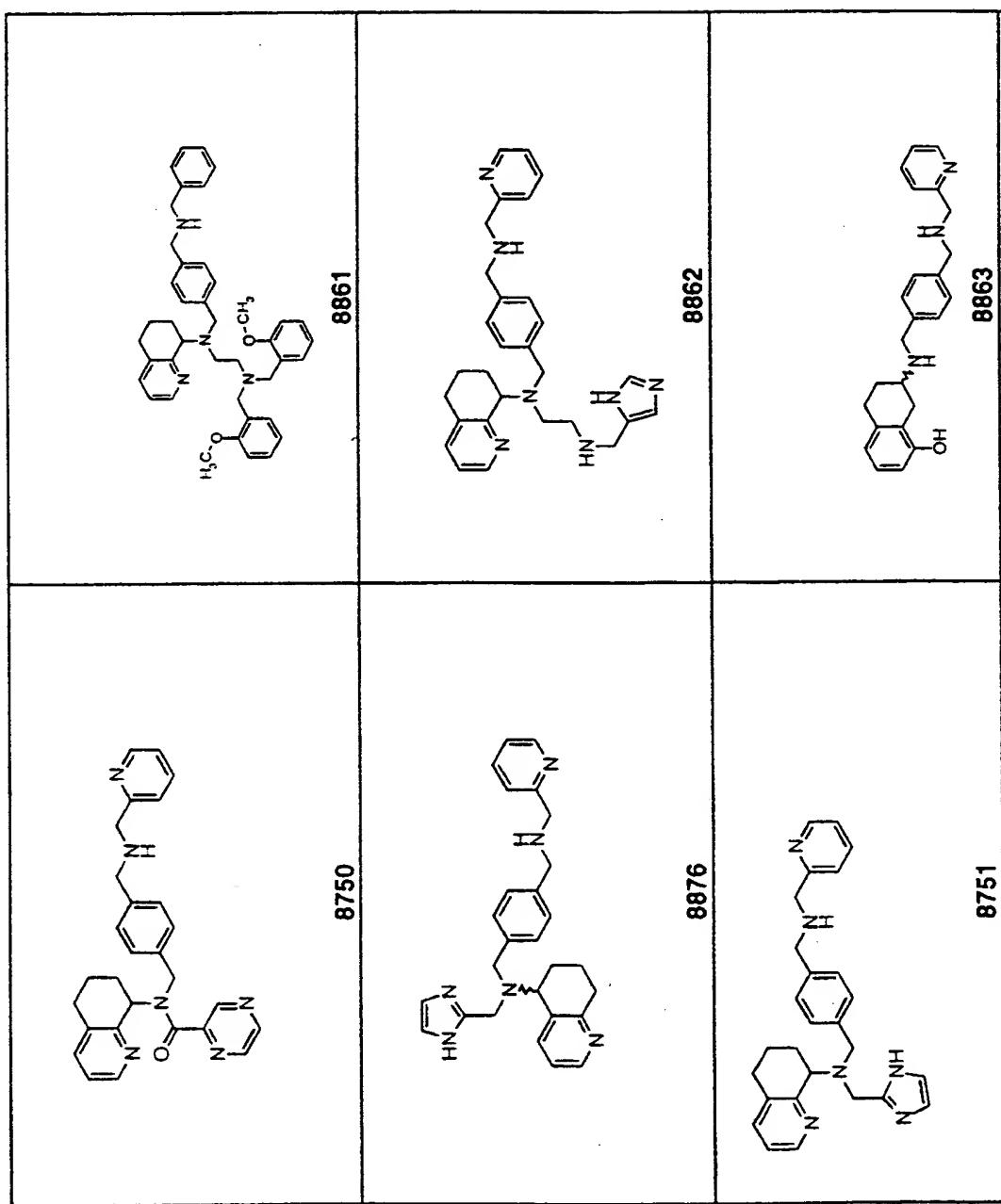


Figure 1 UU

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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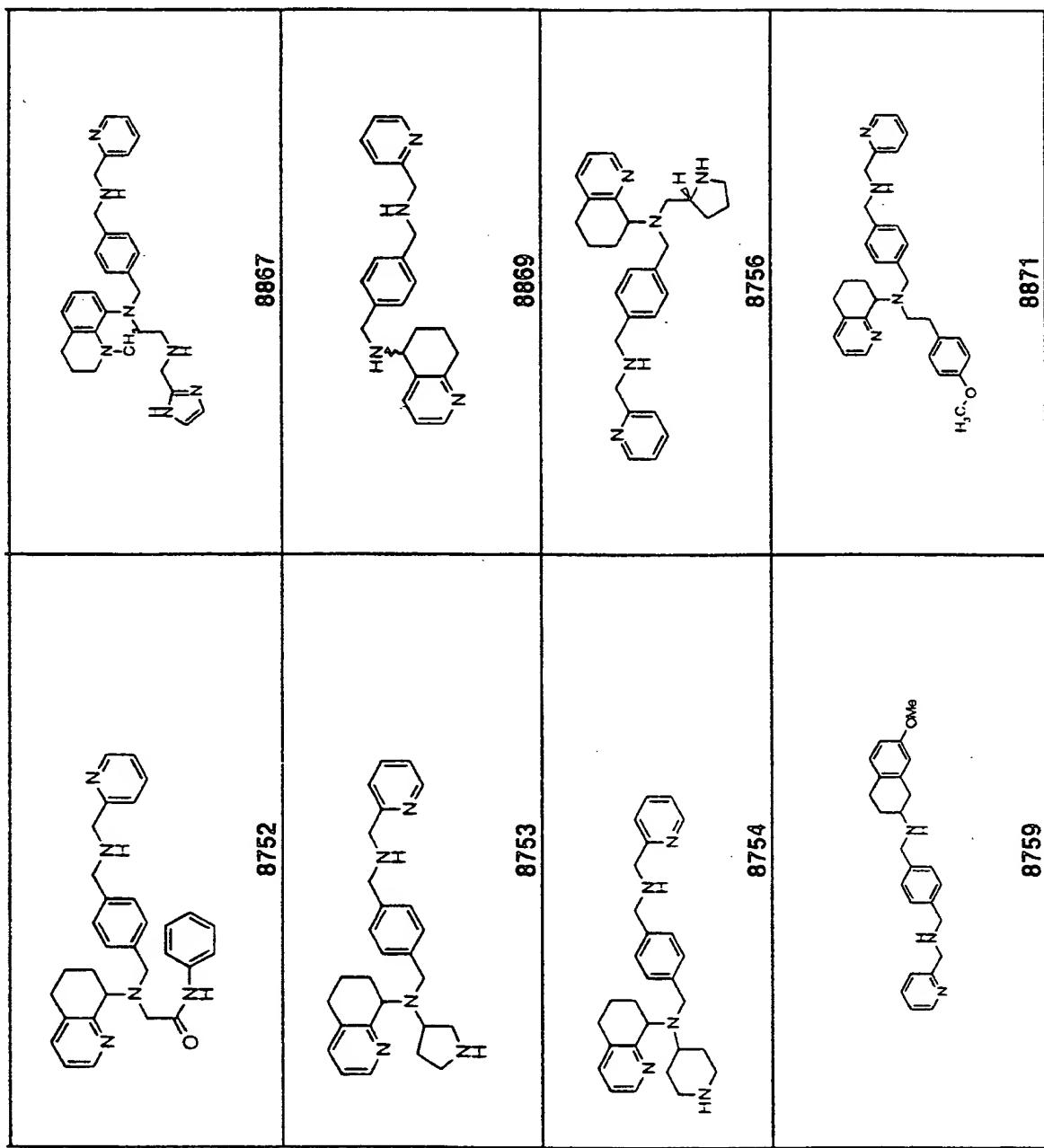


Figure 1 VV

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Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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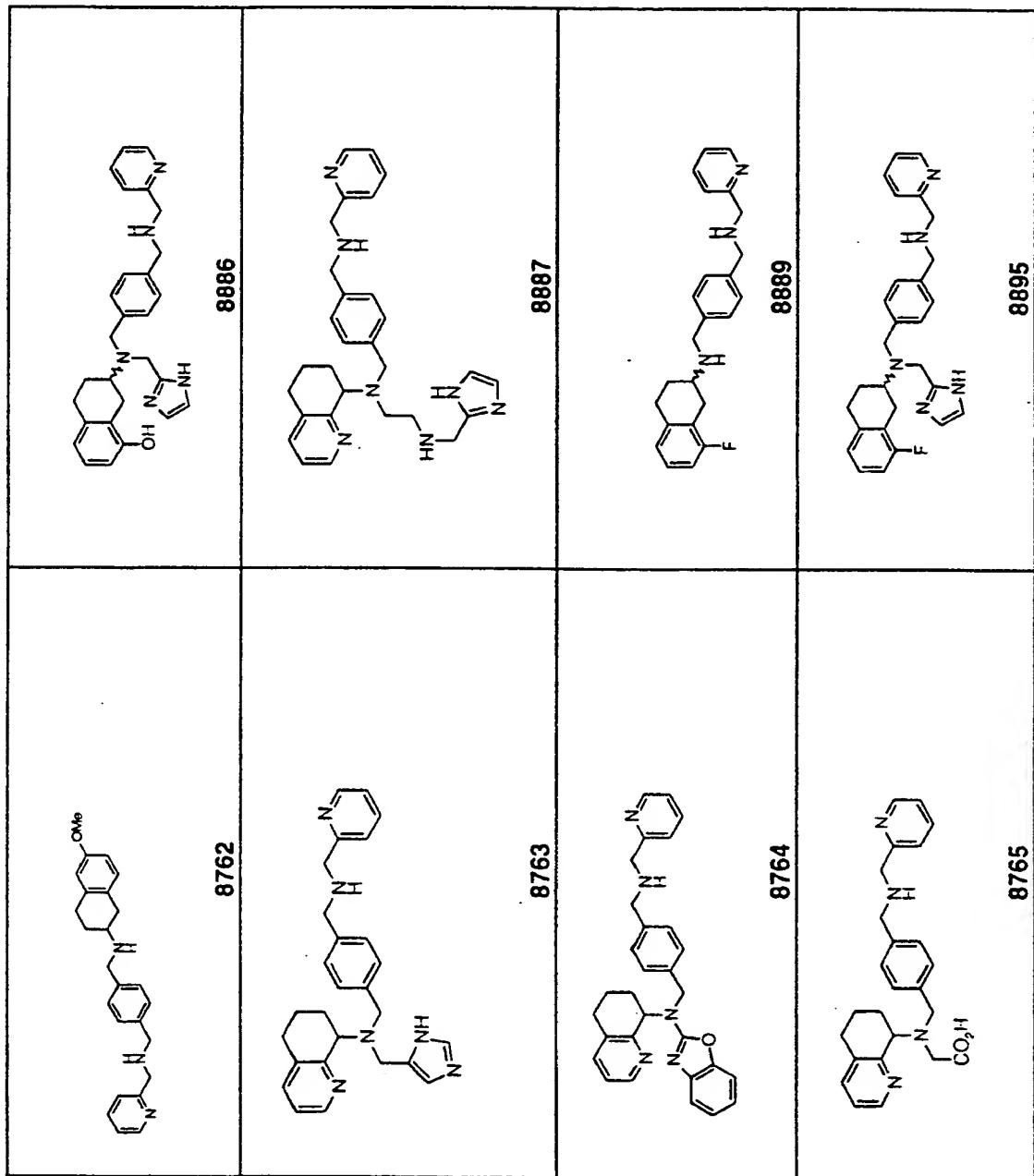


Figure 1 WW

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

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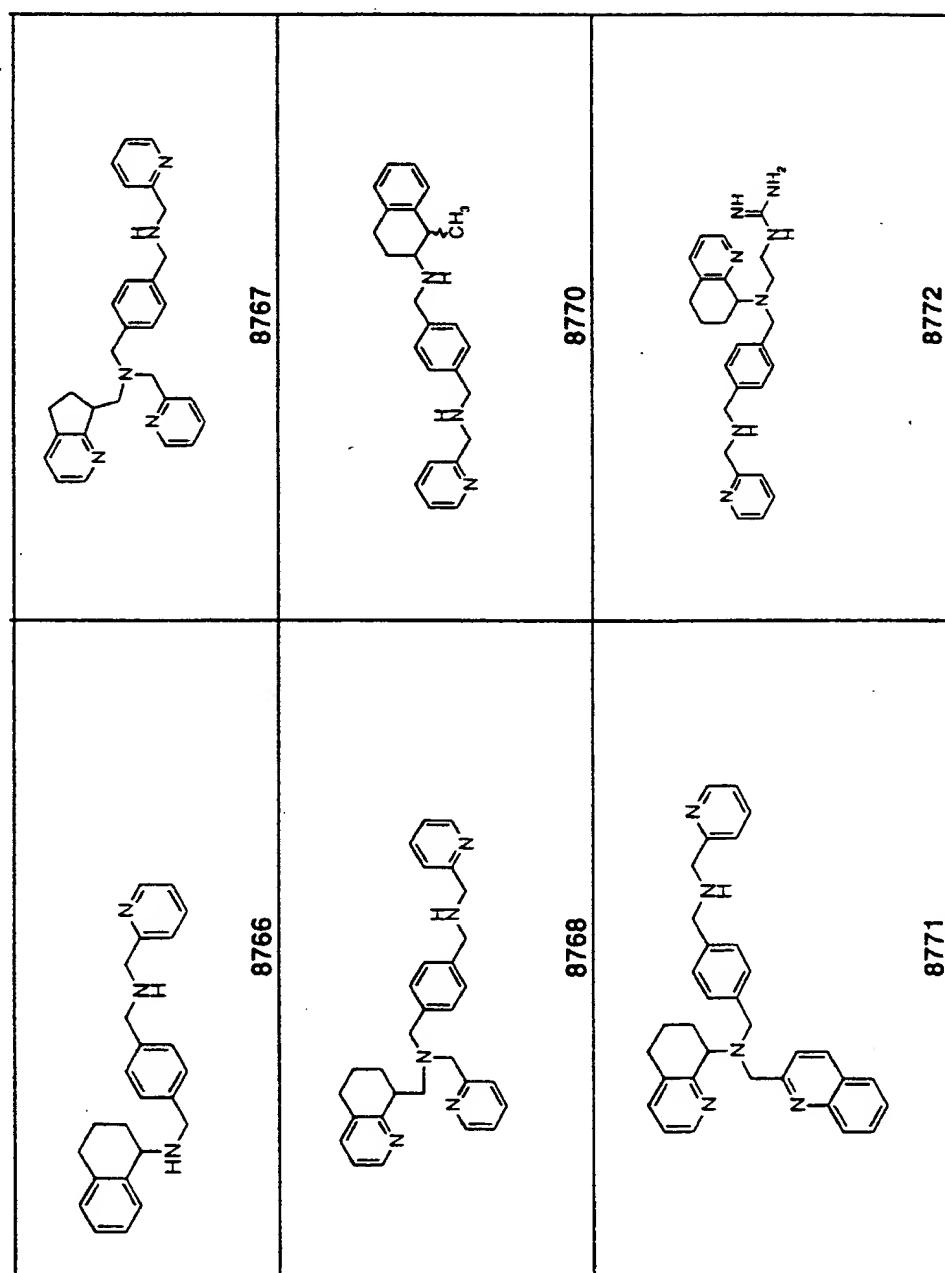


Figure 1 XX

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS

Inventors: Gary J. BRIDGER, et al.

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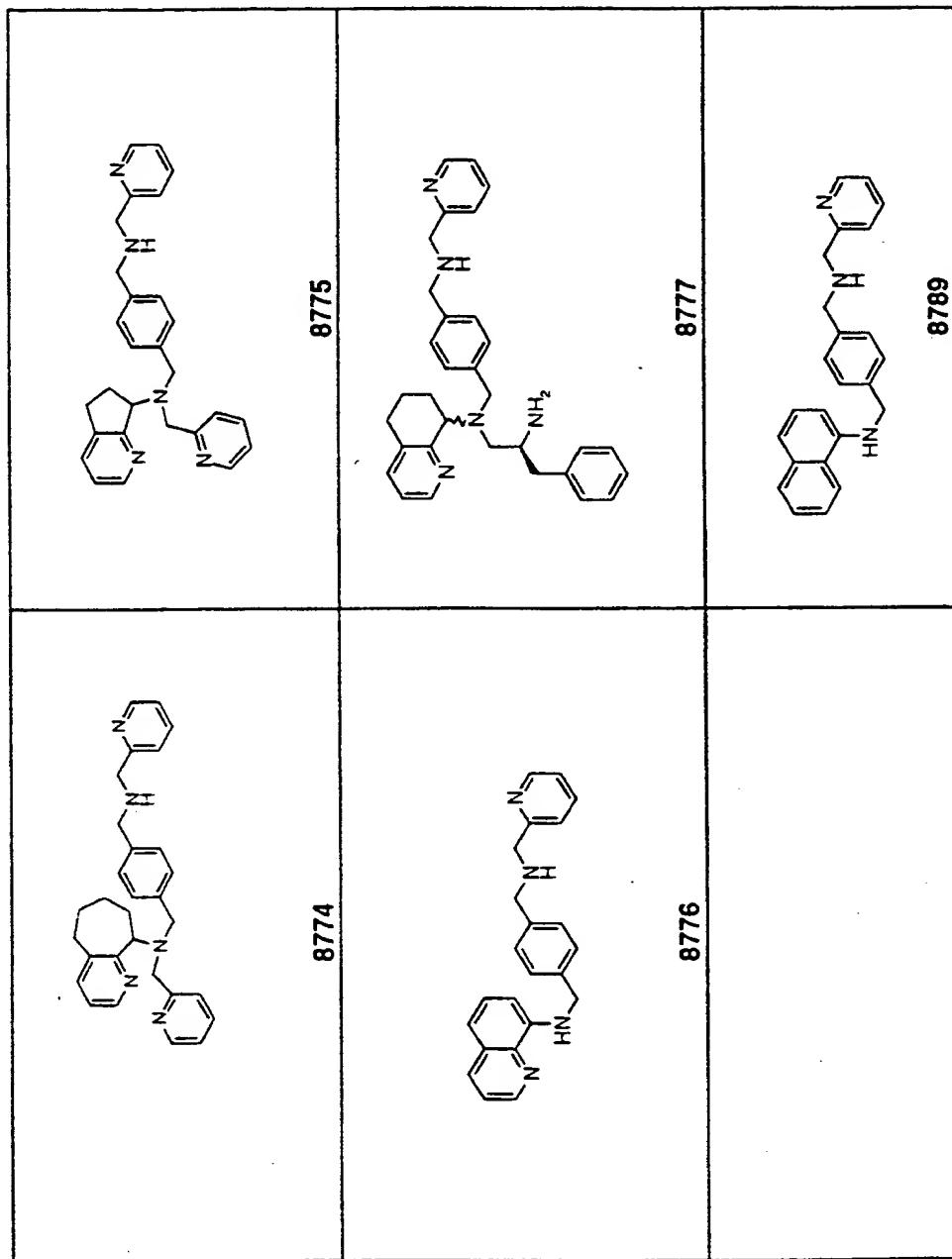


Figure 1 YY

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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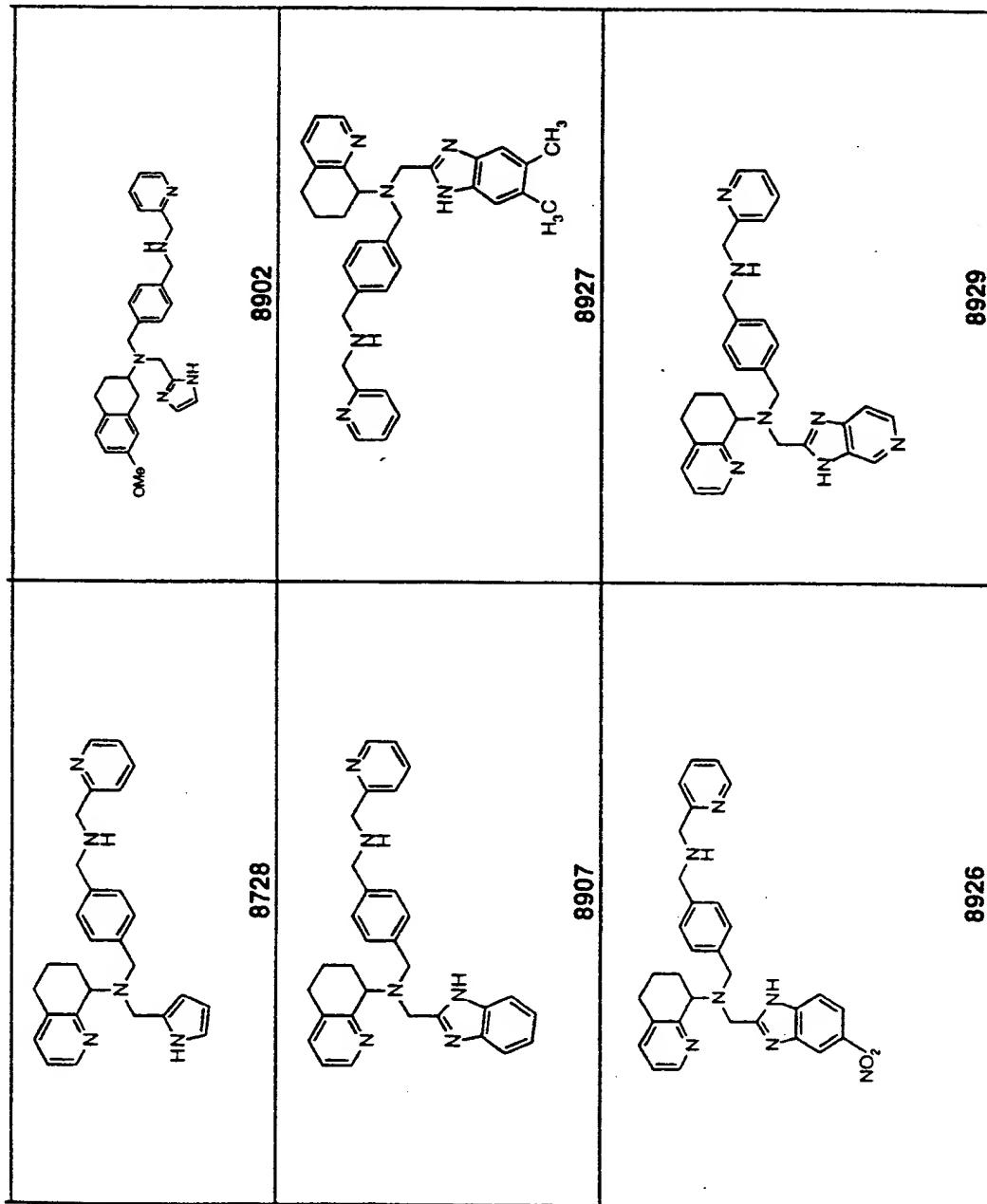


Figure 1 ZZ

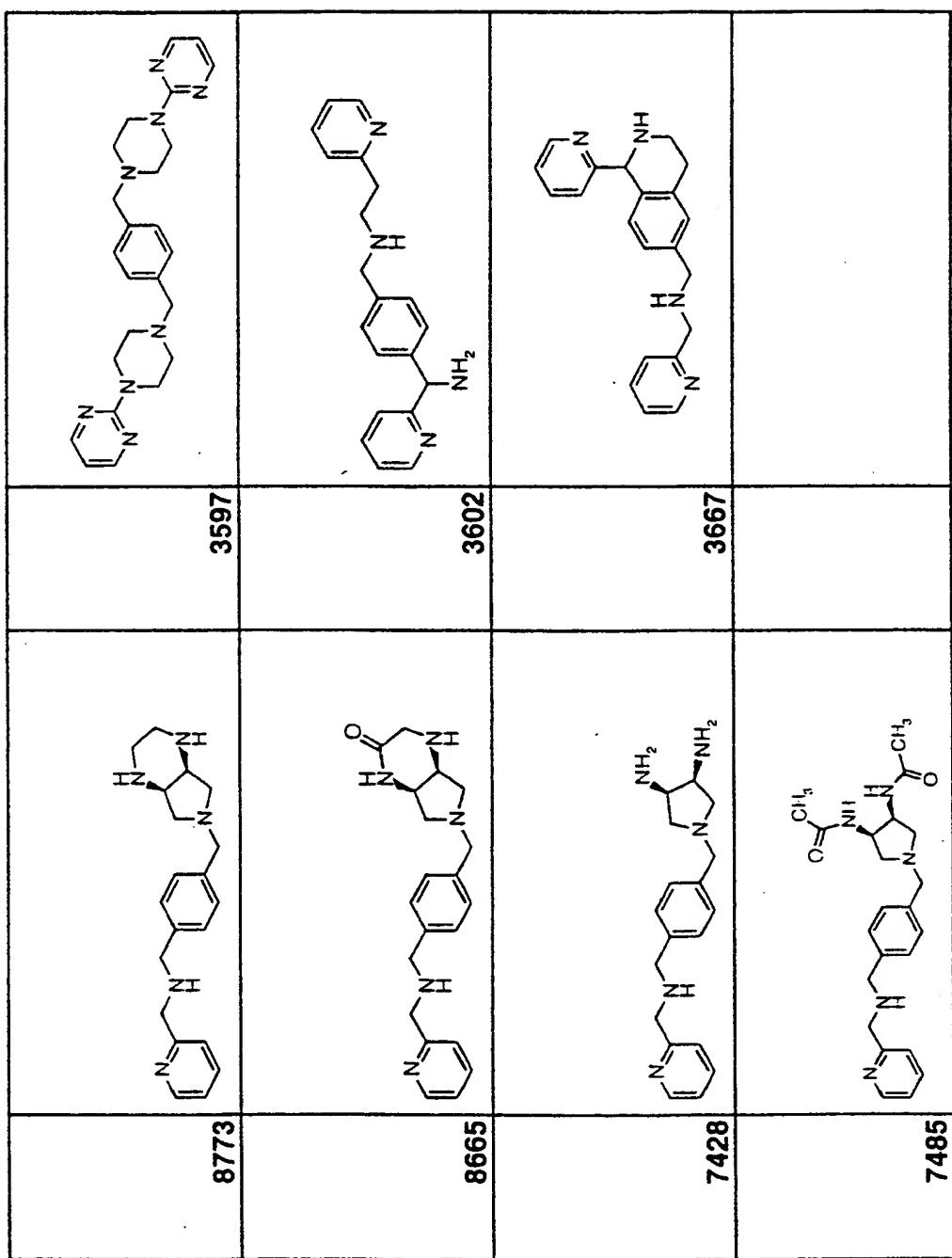


Figure 1 AAA

Title: CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUN

Inventors: Gary J. BRIDGER, et al.

Application No.: 09/535,314

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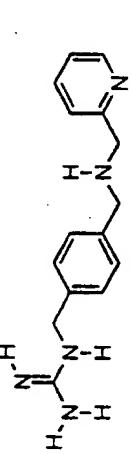
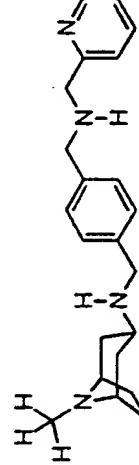
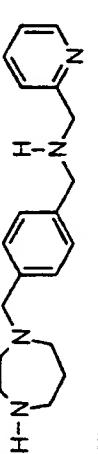
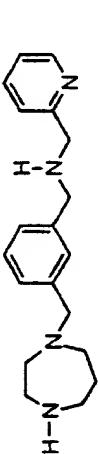
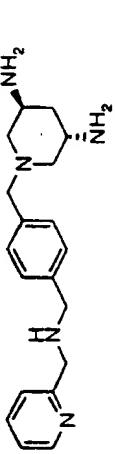
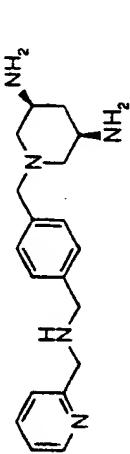
 7074	 7076	 7078	 7079	 7103	 7104

Figure 1 BBB